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PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

20-Dec-2010

Company: 116771

Room/Area ID: Reference #:



 Sales Order #:
 C002688

 CCC Panel #:
 P67660

 Date In:
 15-Nov-2010

 Date Out:
 29-Nov-2010

Days In Service: 14

CCC Panel # P67660

ISA Class G2 Moderate

Copper Corrosion 494 Å/30 Days

Silver Corrosion 232 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67660

The electrolytic reduction analysis on Corrosion Classification Coupon #P67660 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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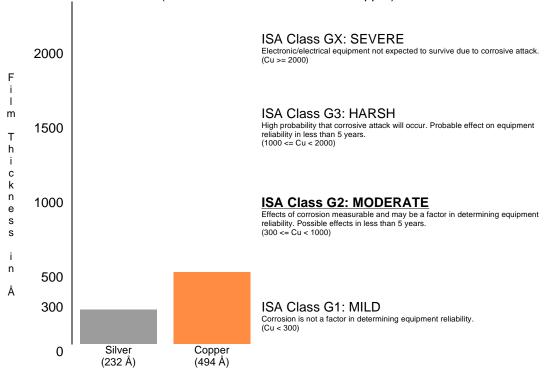
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PURAFIL CCC # P67660 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	30 Days	<u>1 Year</u>	<u>5 Year</u>	
Copper Films				
Cu ₂ S	o Å	0 Å	0 Å	
Cu ₂ O	319 Å	646 Å	1104 Å	
Unknowns Totals	175 Å 494 Å	354 Å 1000 Å	605 Å 1709 Å	
Silver Films				
AgCl Ag ₂ S	0 Å 232 Å	0 Å 2831 Å	0 Å 14153 Å	
Unknowns Totals	0 Å 232 Å	0 Å 2831 Å	0 Å 14153 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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